

## **Exhibit 4**

### **CAPITAL OUTPUT**

The Company shall provide a unit cost to construct capital outputs, inclusive of all costs (e.g. professional fees, construction, materials, etc.). Professional fees are for professional services including, without limitation, engineering and design services. Capital outputs are defined as those items that may (but not necessarily) fall under the definition of a Capital Project. They shall provide for activities that produce or impact physical infrastructure and can be physically measured by the Department. Capital outputs would include, but not be limited to, items as defined in the examples attached hereto.

DEPARTMENT OF WATERWORKS CAPITAL OUTPUTS

Exhibit 4 - Capital Outputs

CAPITAL OUTPUTS	PRICE	COMMENTS
<b>PIPE</b>		
PVC Pipe <sup>1</sup> (Under Non Paved Areas) (LFT)		
4-6 Inch	\$13.50	400 LFT minimum. 4 to 8 foot average bury
8 Inch	\$19.75	400 LFT minimum. 4 to 8 foot average bury
10 Inch	\$21.50	400 LFT minimum. 4 to 8 foot average bury
12 Inch	\$26.75	400 LFT minimum. 4 to 8 foot average bury
16 Inch	\$49.00	400 LFT minimum. 4 to 8 foot average bury
18 Inch	\$46.50	400 LFT minimum. 4 to 8 foot average bury
24 Inch	\$51.50	400 LFT minimum. 4 to 8 foot average bury
PVC Pipe <sup>1</sup> (Under Asphalt) (LFT)		
4-6 Inch	\$18.25	400 LFT minimum. 4 to 8 foot average bury
8 Inch	\$23.25	400 LFT minimum. 4 to 8 foot average bury
10 Inch	\$25.00	400 LFT minimum. 4 to 8 foot average bury
12 Inch	\$30.25	400 LFT minimum. 4 to 8 foot average bury
16 Inch	\$54.00	400 LFT minimum. 4 to 8 foot average bury
18 Inch	\$51.00	400 LFT minimum. 4 to 8 foot average bury
24 Inch	\$56.25	400 LFT minimum. 4 to 8 foot average bury
PVC Pipe <sup>1</sup> (Under Concrete) (LFT)		
4-6 Inch	\$19.50	400 LFT minimum. 4 to 8 foot average bury
8 Inch	\$23.25	400 LFT minimum. 4 to 8 foot average bury
10 Inch	\$25.00	400 LFT minimum. 4 to 8 foot average bury
12 Inch	\$30.25	400 LFT minimum. 4 to 8 foot average bury
16 Inch	\$54.00	400 LFT minimum. 4 to 8 foot average bury
18 Inch	\$51.00	400 LFT minimum. 4 to 8 foot average bury
24 Inch	\$56.25	400 LFT minimum. 4 to 8 foot average bury
Ductile Iron Pipe (Under Asphalt) (LFT)		
4-6 Inch	\$28.75	400 LFT minimum. 4 to 8 foot average bury
8 Inch	\$31.25	400 LFT minimum. 4 to 8 foot average bury

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CAPITAL OUTPUTS	PRICE	COMMENTS
10 Inch	\$38.00	400 LFT minimum. 4 to 8 foot average bury
12 Inch	\$43.75	400 LFT minimum. 4 to 8 foot average bury
18 Inch	\$69.00	400 LFT minimum. 4 to 8 foot average bury
24 Inch	\$89.75	400 LFT minimum. 4 to 8 foot average bury
30 Inch	\$108.00	400 LFT minimum. 4 to 8 foot average bury
36 Inch	\$147.00	400 LFT minimum. 4 to 8 foot average bury
Ductile Iron Pipe (Under Concrete) (LFT)		
4-6 Inch	\$30.00	400 LFT minimum. 4 to 8 foot average bury
8 Inch	\$34.50	400 LFT minimum. 4 to 8 foot average bury
10 Inch	\$40.25	400 LFT minimum. 4 to 8 foot average bury
12 Inch	\$46.00	400 LFT minimum. 4 to 8 foot average bury
18 Inch	\$71.25	400 LFT minimum. 4 to 8 foot average bury
24 Inch	\$93.00	400 LFT minimum. 4 to 8 foot average bury
30 Inch	\$111.50	400 LFT minimum. 4 to 8 foot average bury
36 Inch	\$151.75	400 LFT minimum. 4 to 8 foot average bury
Ductile Iron Pipe (Under Non Paved) (LFT)		
4-6 Inch	\$24.25	400 LFT minimum. 4 to 8 foot average bury
8 Inch	\$28.75	400 LFT minimum. 4 to 8 foot average bury
10 Inch	\$34.50	400 LFT minimum. 4 to 8 foot average bury
12 Inch	\$40.25	400 LFT minimum. 4 to 8 foot average bury
18 Inch	\$64.50	400 LFT minimum. 4 to 8 foot average bury
24 Inch	\$85.00	400 LFT minimum. 4 to 8 foot average bury
30 Inch	\$103.50	400 LFT minimum. 4 to 8 foot average bury
36 Inch	\$141.25	400 LFT minimum. 4 to 8 foot average bury
Bore and Jack Pipe (Without casing) (LFT)		
2 Inch	\$13.00	Set up cost-\$500
4 Inch	\$18.00	Set up cost-\$500
6 Inch	\$25.00	Set up cost-\$500
8 Inch	\$28.00	Set up cost-\$500
12 Inch	\$45.00	Set up cost-\$500

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CAPITAL OUTPUTS	PRICE	COMMENTS
Bore and Jack Pipe (Includes casing) (LFT)		
12 Inch	\$76.00	Set up cost-\$750
16 Inch	\$102.00	Set up cost-\$750
20 Inch	\$122.00	Set up cost-\$750
24 Inch	\$143.00	Set up cost-\$750
<b>PIPE LINING Per our discussion recommend price be done on a per project basis</b>		
Pipe Slip Lining (LFT)		
4-6 Inch		1500 LFT minimum.
8 Inch		1500 LFT minimum.
10 Inch		1500 LFT minimum.
12 Inch		1500 LFT minimum.
18 Inch		1500 LFT minimum.
24 Inch		1500 LFT minimum.
30 Inch		1500 LFT minimum.
36 Inch		1500 LFT minimum.
Cement Lining of Ductile Iron Pipe (LFT)		
4-6 Inch		200 LFT minimum.
8 Inch		200 LFT minimum.
10 Inch		200 LFT minimum.
12 Inch		200 LFT minimum.
<b>PIPE-MATERIAL ONLY</b>		
PVC Pipe		
4-6 Inch	\$2.75	No minimum
8 Inch	\$5.50	No minimum
10 Inch	\$6.50	No minimum
12 Inch	\$11.00	No minimum
16 Inch	\$14.00	No minimum
18 Inch	\$17.00	No minimum
24 Inch	\$20.75	No minimum
Ductile Iron Pipe (Material only-Not installed) (LFT)		

DEPARTMENT OF WATERWORKS CAPITAL OUTPUTS

CAPITAL OUTPUTS	PRICE	COMMENTS
4-6 Inch	\$5.75	No minimum
8 Inch	\$7.50	No minimum
10 Inch	\$9.75	No minimum
12 Inch	\$12.50	No minimum
18 Inch	\$21.00	No minimum
24 Inch	\$37.50	No minimum
30 Inch	\$52.50	No minimum
36 Inch	\$71.00	No minimum
<b>MISCELLANEOUS</b>		
Concrete Placed (CY)	\$250.00	No minimum
Gravel Trench Backfill (CY)	\$20.00	No minimum
Service Line Spot Repair (Each)	\$0.00	Includes shut off and line crimp
Concrete Slab On Grade -12" (CY)	\$200.00	No minimum
Concrete Walls 12" (CY)	\$516.98	No minimum
Haul Spoils (CY)	\$7.50	No minimum
Flowable Backfill (CY)	\$59.75	No minimum
Copper Tubing, 1 Inch (LFT)	\$25.25	No minimum
Fencing-7 Foot Galv, PVC Coated, Chain Link (LFT)	\$26.14	No minimum
Fencing-7' x 16' Swing Gate (Each)	\$1,436.00	No minimum
Repair Aqueduct		
Install 60 mil HDPE Liner (Sq Ft)	\$1.25	No minimum
Concrete Repair (Sq Ft)	\$28.75	No minimum
Concrete Demolition (CY)	\$310.25	No minimum
Poly Wrap (LFT)	\$0.50	No minimum
Blasting Rock (CY)	\$172.25	No minimum
Traffic Control (Crew/Day)	\$746.75	No minimum
Traffic Control (Regular Flag Person) (Hourly)	\$38.00	No minimum
Traffic Control (Off Duty Police Flag Person) (Hourly)	\$38.00	No minimum
Sod (SY)	\$4.88	No minimum
Seed / Mulch (SY)	\$0.40	No minimum

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CAPITAL OUTPUTS	PRICE	COMMENTS
Sidewalk Placed (SY)	\$35.00	No minimum
Sidewalk replaced (SY)	\$35.00	No minimum
<b>PAVEMENT</b>		
Concrete Pavement Restored-6" (SY)	\$59.00	No minimum
Concrete Pavement Restored-8" (SY)	\$91.75	No minimum
Asphalt Pavement Restored 6" (SY)	\$33.00	No minimum
Asphalt Pavement Restored 8" (SY)	\$44.00	No minimum
<b>CURB</b>		
Curb Repaired (LFT)	\$25.00	Rolled, No minimum
Curb Installed (LFT)	\$24.00	Rolled, No minimum
Curb Repaired (LFT)	\$25.00	Vertical, No minimum
Curb Installed (LFT)	\$24.00	Vertical. No minimum
<b>METERS</b>		
Residential Meter Installed-Straight Read-New (Each)	\$38.00	5/8 Inch, Labor, installation and meter
Encoder Meter-New Installed (Each)	\$80.00	5/8 Inch, Labor, installation and meter
Replacement of Straight Read Meter (Each)	\$38.00	5/8 Inch, Labor, installation and meter
Replacement of Encoder Meter (Each)	\$80.00	5/8 Inch, Labor, installation and meter
<b>VALVES</b>		
AWWA Gate Valves (New Main) (Each)-Installation of valve, valve box and appurtenances only		
4 Inch	\$333.00	Installation. Does not include valve.
6 Inch	\$333.00	Installation. Does not include valve.
8 Inch	\$333.00	Installation. Does not include valve.
10 Inch	\$333.00	Installation. Does not include valve.
12 Inch	\$459.00	Installation. Does not include valve.
18 Inch	\$534.00	Installation. Does not include valve.
24 Inch	\$664.00	Installation. Does not include valve.
30 Inch	\$907.00	Installation. Does not include valve.
36 Inch	\$996.00	Installation. Does not include valve.
<b>HYDRANT</b>		
New Hydrant Assembly (To 6 Inch or 8 Inch Existing Main) (Each)	\$1,575.00	Includes tee, gate, valve/box and tap/tie in

DEPARTMENT OF WATERWORKS CAPITAL OUTPUTS

CAPITAL OUTPUTS	PRICE	COMMENTS
Replacement Hydrant Assembly (To 6 or 8 Inch Existing Main) (Each)	\$1,375.00	Includes tee, gate, valve/box and tap/tie in
Hydrant Assembly (New main) (Each)		
4 -6 Inch	\$1,332.50	Installation. Does not include hydrant.
8 Inch	\$1,332.50	Installation. Does not include hydrant.
10 Inch	\$1,332.50	Installation. Does not include hydrant.
12 Inch	\$1,332.50	Installation. Does not include hydrant.
18 Inch	\$1,470.50	Installation. Does not include hydrant.
24 Inch	\$1,539.50	Installation. Does not include hydrant.
30 Inch	\$1,539.50	Installation. Does not include hydrant.
36 Inch	\$1,677.25	Installation. Does not include hydrant.
Hydrant (Each-Material only)	\$350.00	Material only-current WMU contract price
Hydrant (Each-Material only)	\$546.25	Material only-market price if WMU contract expires or price is increased

**Valves**

Gate Valves (each)

4 Inch	\$142.00	Material only.
6 Inch	\$186.00	Material only.
8 Inch	\$285.00	Material only.
10 Inch	\$450.00	Material only.
12 Inch	\$564.00	Material only.

Butterfly Valves (each)

16 Inch	\$1,361.00	Material only.
20 Inch	\$1,841.00	Material only.
24 Inch	\$2,520.00	Material only.
30 Inch	\$5,832.00	Material only.
36 Inch	\$7,906.00	Material only.

**Notes:**

1. AWWA DR-18 C-900 PVC for pipe sizes 4 inch thru incl. 12 inch

AWWA DR-25 C-905 PVC for pipe sizes 16 inch thru 24 inch

Ductile Iron Pipe - Pressure Class 350 for pipe sizes 4 inch thru incl. 12 inch

# DEPARTMENT OF WATERWORKS CAPITAL OUTPUTS

CAPITAL OUTPUTS	PRICE	COMMENTS
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Ductile Iron Pipe - Pressure Class 250 for pipe sizes 18 inch thru 36 inch

Pipe fittings and appurtenances, materials and installation are not included in the straight pipe unit price

Prices reflect all in-place costs, including all labor, straight pipe, installation, equipment, software issues, inclusive of soft costs (i.e. engineering), unless noted otherwise.

Project prices may be singular or additive as appropriate for the units to be installed

Mobilization and demobilization included in all prices unless noted otherwise.

All installations, materials and methods per Department approved standards

LFT - Lineal Foot

Hydrants and valves will be purchased at WMU contract price unless current contract expires.